

January 2005 ACSW Frontiers '05: Proceedings of the 2005 Australasian workshop
on Grid computing and e-research - Volume 44, Volume 44
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Full text available: Pdf (304.75 KB) Additional Information: full citation, abstract, references, index terms

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Semi-fragile watermark fragile to malicious modifications while robust to incidental manipulations is drawing many attentions in image authentication. However, watermark security has not received enough attention yet. Lifting scheme can construct second ...


Keyw ords: image authentication, integer wavelet transform, parameterization, semi-fragile watermark, watermark security

⁴ A secure multicast protocol with copyright protection

Hao-hua Chu, Lintian Qiao, Klara Nahrstedt, Hua Wang, Ritesh Jain

April 2002 ACM SIGCOMM Computer Communication Review, Volume 32 Issue 2

Publisher: ACM

Full text available:  Pdf (301.97 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 146, Citation Count: 2

We present a simple, efficient, and secure multicast protocol with copyright protection in an open and insecure network environment. There is a wide variety of multimedia applications that can benefit from using our secure multicast protocol, e.g., the ...

Keywords: copyright protection, key distribution, multicast security, watermark

5 Implementation of real-time watermarking scheme for high-quality video

In-Koo Kang, Dong-Hyuck Im, Heung-Kyu Lee, Young-Ho Suh

September 2006 MM&Sec '06: Proceedings of the 8th workshop on Multimedia and security

Publisher: ACM

Full text available: Pdf (551.12 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 84, Citation Count: 0

Digital watermarking for video helps protect the copyright of the video content. In most watermark applications, an embedding procedure should be built at low costs and the embedded watermarks should have robustness against various unintentional or malicious ...

Keywords: fast HVS, real-time, watermark embedding

⁶ Nark: receiver-based multicast non-repudiation and key management

Bob Briscoe, Ian Fairman

November 1999 EC '99: Proceedings of the 1st ACM conference on Electronic commerce

Publisher: ACM

Full text available: Pdf (168.86 KB) Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5. Downloads (12 Months): 39. Citation Count: 2

Keywords: Internet, audit trail, key management, multicast, non-repudiation, smartcard, watermark

7 [Publicly verifiable ownership protection for relational databases](#)



Yingjiu Li, Robert Huijie Deng

March 2006 ASI ACCS '06: Proceedings of the 2006 ACM Symposium on Information, computer and communications security

Publisher: ACM

Full text available: Pdf (332.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 159, Citation Count: 1

Today, watermarking techniques have been extended from the multimedia context to relational databases so as to protect the ownership of data even after the data are published or distributed. However, all existing watermarking schemes for relational databases ...

Keywords: certificate, ownership protection, public verifiability, relational database, watermark

8 [NTT's technologies for next-generation video services](#)



Yutaka Tashiro, Yoshiyuki Yashima, Hiroshi Fujii

January 2006 Computers in Entertainment (CIE), Volume 4 Issue 1

Publisher: ACM

Full text available: Pdf (1.04 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 203, Citation Count: 0

This article presents some examples of video content delivery and two-way video communication services and describes current trends in the digital media technology supporting these services. It also describes NTT's research efforts in subjects such as ...

Keywords: H.264, IP network, MPEG-2, MPEG-4/AVC, business application, image compression, network, secure video, video CODEC, video decoder, video distribution, video encoder, video service, watermark

9 [Robust DWT-SVD domain image watermarking: embedding data in all frequencies](#)



Emir Ganic, Ahmet M. Eskicioglu

September 2004 MM&Sec '04: Proceedings of the 2004 workshop on Multimedia and security

Publisher: ACM

Full text available: Pdf (4.84 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 190, Citation Count: 2

Protection of digital multimedia content has become an increasingly important issue for content owners and service providers. As watermarking is identified as a major technology to achieve copyright protection, the relevant literature includes several ...

Keywords: copyright protection, discrete wavelet transform, image watermarking, multimedia, singular value decomposition, visual watermark

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